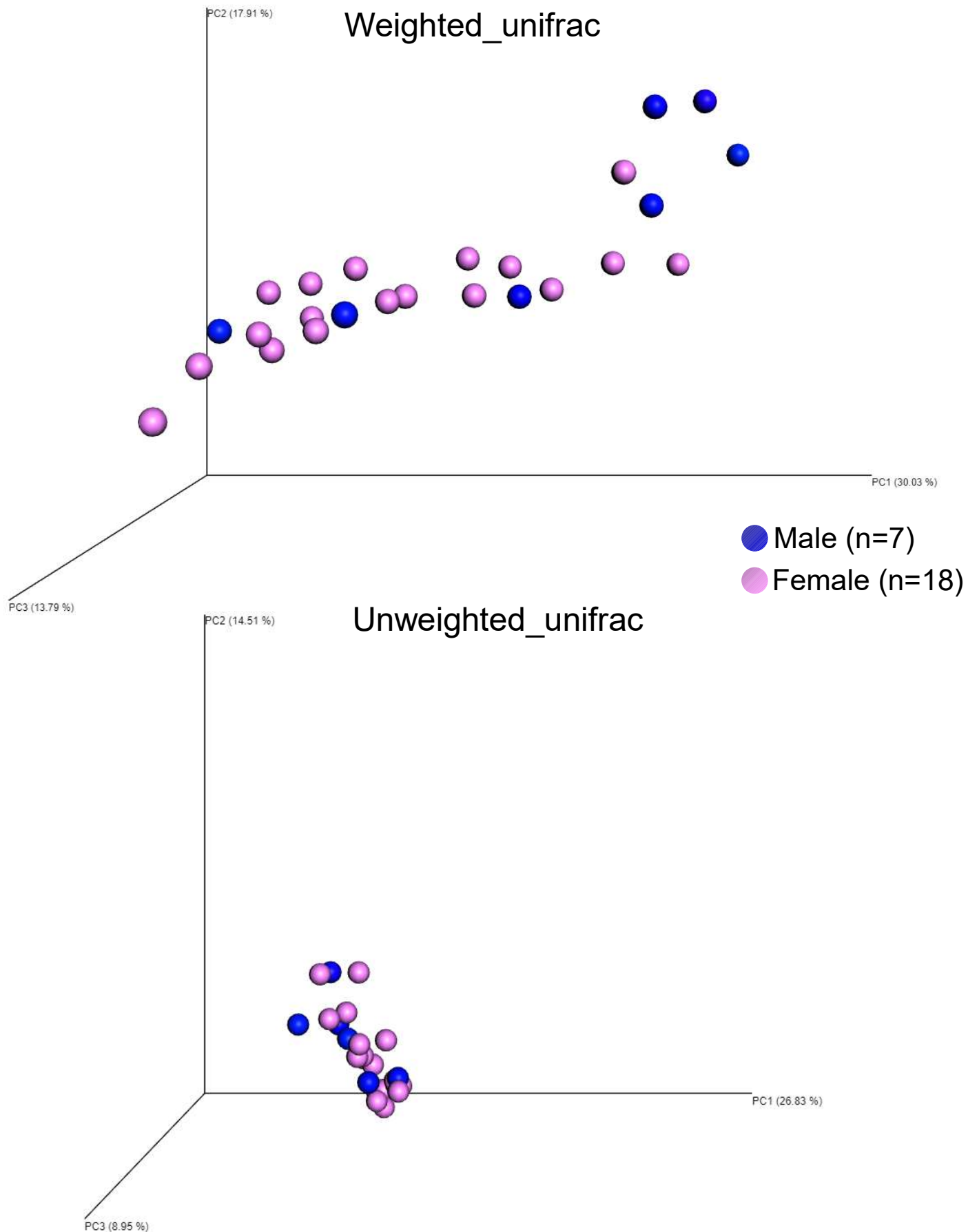


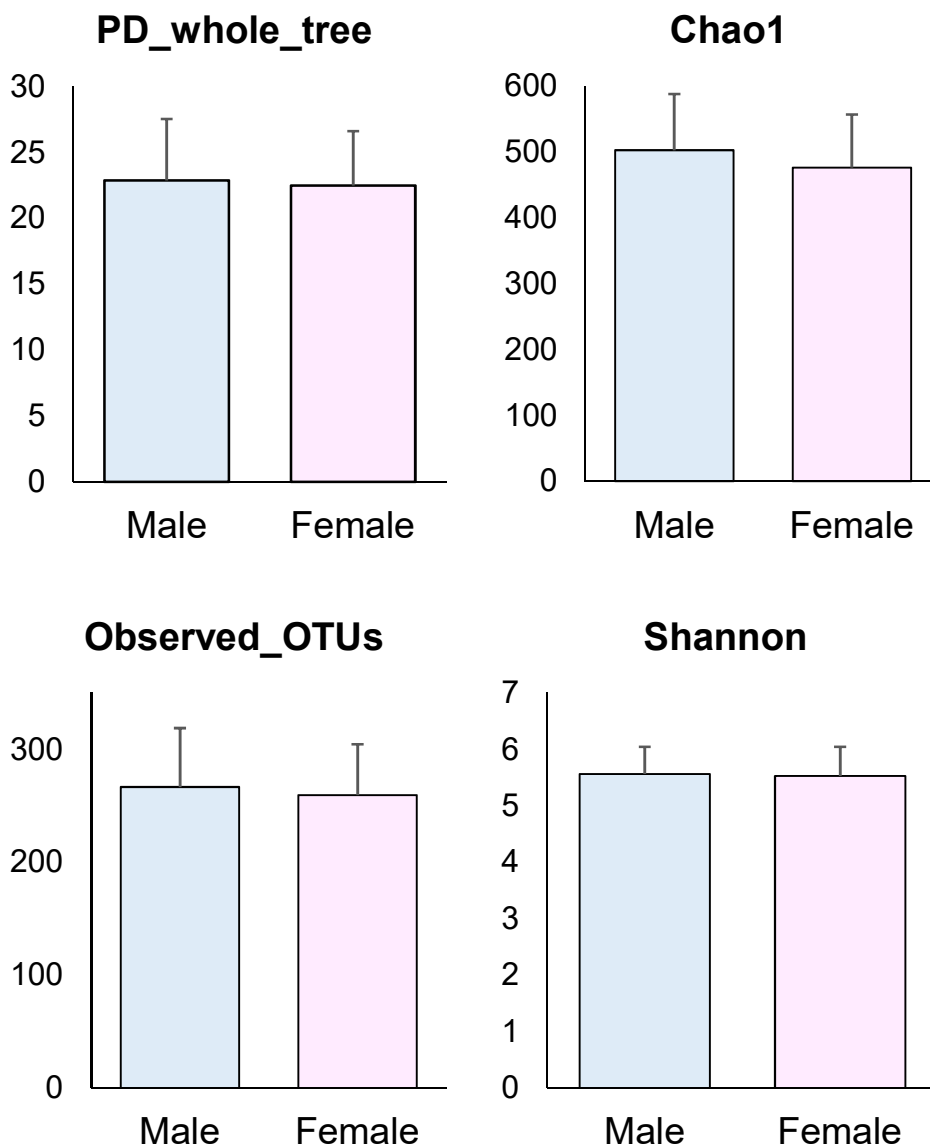
Supplemental material:

Comparison of gut microbiome and organic acids in male vs. female human subjects included in the present study.

Beta-diversity of the gut microbiome in male vs. female human subjects included in the present study.

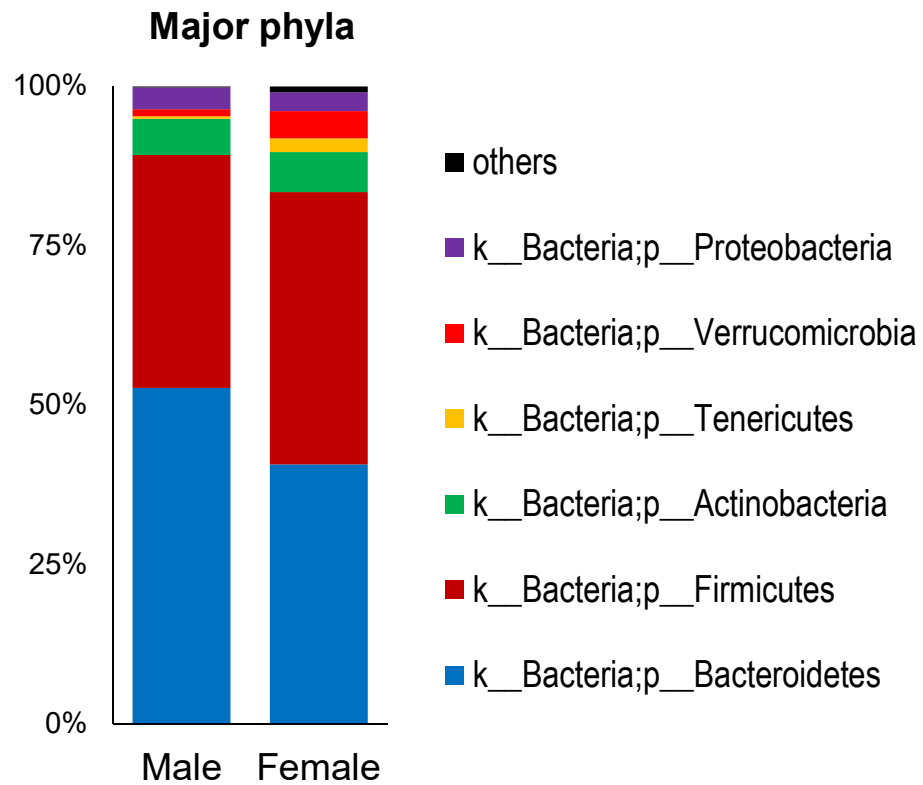


Alpha-diversity of the gut microbiome in male vs. female human subjects included in the present study.



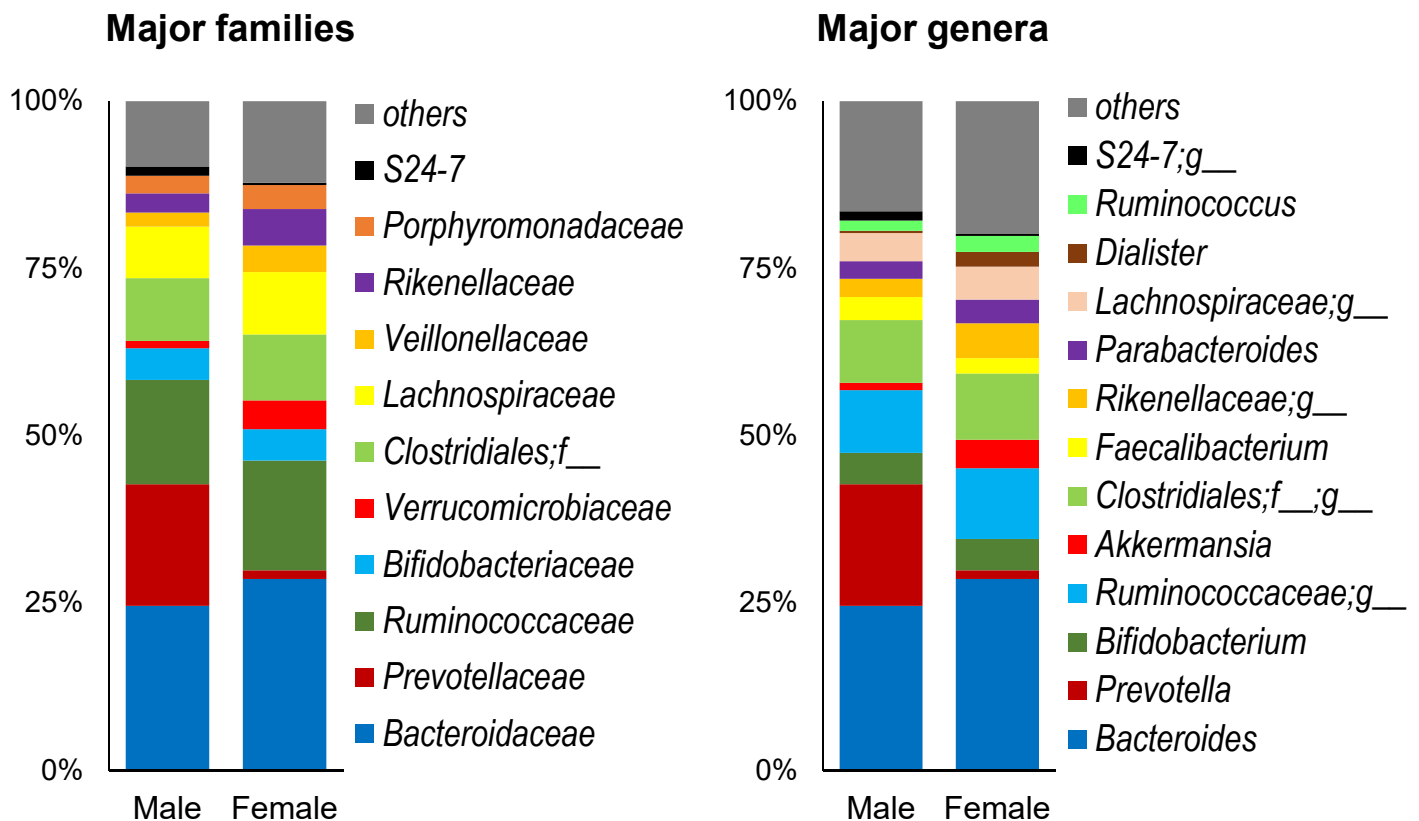
No significant difference.

Relative abundance of major phyla detected in male vs. female human subjects included in the present study.



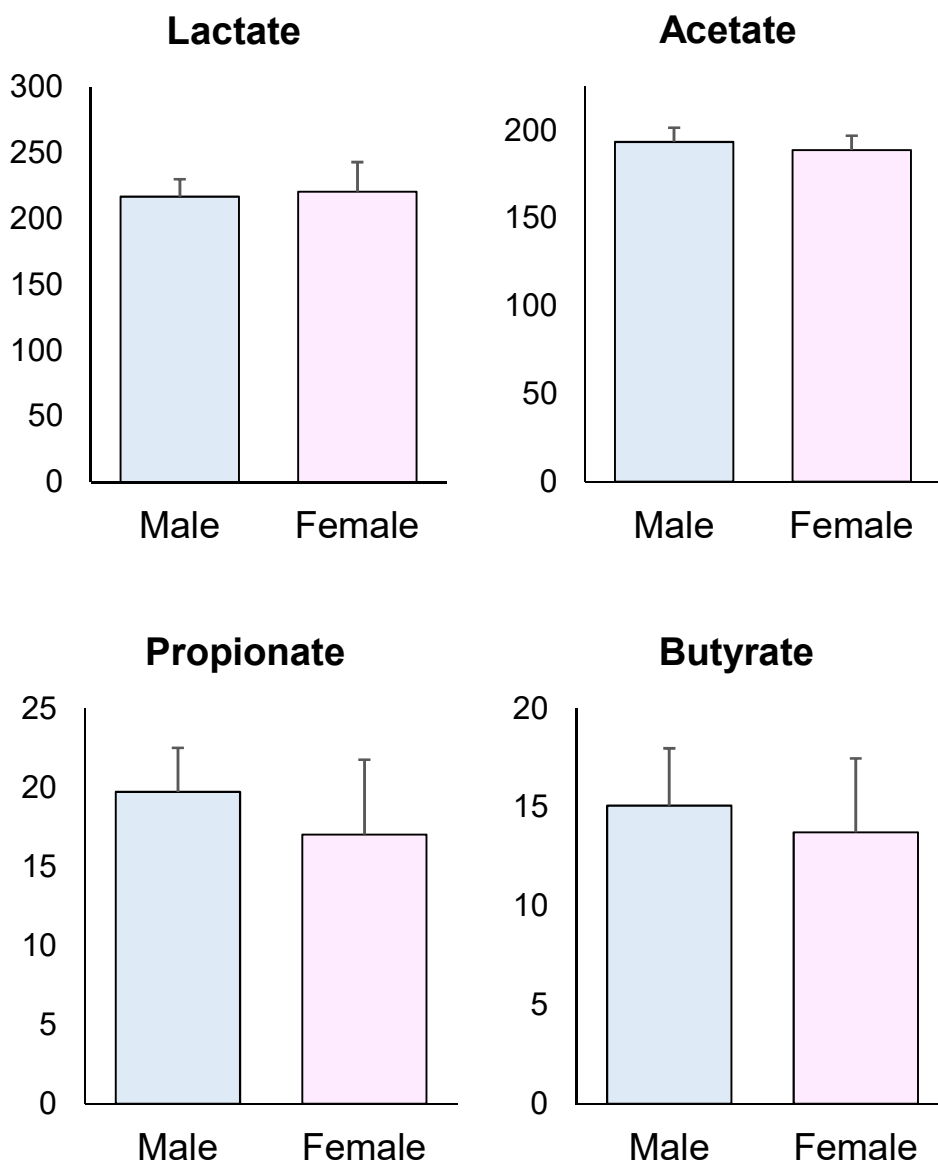
No significant difference.

Relative abundance of major bacterial families and genera detected in male vs. female human subjects included in the present study.



Only Prevotellaceae and Prevotella are significantly different.

Fecal concentration of lactate and major short-chain fatty acids in male vs. female human subjects included in the present study.



No significant difference.